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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/782,082

02/19/2004

Jason Carnahan

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11/09/2007

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SUITE 6000
DALLAS, TX 75202-3797

EXAMINER

MARTINEZ, DAVID E

ART UNIT

PAPER NUMBER

2181

MAIL DATE

DELIVERY MODE

11/09/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/782,082

Applicant(s)

CARNAHAN ET AL.

Examiner

David E. Martinez

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 04 September 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20, 22, 23 and 25 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20, 22, 23 and 25 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 19 July 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 6/8/07 has been entered.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1, 4-16, 20, 21,25, are rejected under 35 U.S.C. 102(e) as being anticipated by US Patent Application Publication No. US 20040024809 to Edwards et al. (hereinafter Edwards).

1. With regards to claim 1, Edwards teaches a connectivity device [fig 1 element 10], comprising:

a processor executing an operating system [fig 1 element 12, paragraph 16];

a data module adapted to store visual presentation data [paragraphs 16, 17, 18 and 22];

a first interface responsively coupled to the processor [fig 1 element 12 has a network interface that connects to network element 18 – paragraph 16] and adapted to communicate with a physically remote handheld portable communications device [fig 1 elements 14(1) to 14(n)]; and

a second interface responsive to the processor [fig 1 element 16 has a network interface that connects it to network element 18 – paragraph 18] and adapted to drive the visual presentation data to a physically remote display as a function of commands received from the physically remote handheld portable communications device [paragraph 22].

2. With regards to claim 4, Edwards teaches the connectivity device as specified in claim 1 wherein the handheld communications device comprises a Personal Digital Assistant (PDA) [fig 1 elements 14(1) to 14(n) – paragraphs 17 and 22].

3. With regards to claim 5, Edwards teaches the connectivity device as specified in claim 1 wherein the handheld communications device comprises a smartphone [paragraph 19].

4. With regards to claim 6, Edwards teaches the connectivity device as specified in claim 1 wherein the first interface is adapted to serially communicate with the handheld communications device [paragraph 20].

5. With regards to claim 7, Edwards teaches the connectivity device as specified in claim 1 wherein the first interface is adapted to wirelessly communicate with the handheld communications device [paragraph 20].

6. With regards to claim 8, Edwards teaches the connectivity device as specified in claim 1 wherein the handheld communications device has a processor, and memory storing data indicative of visual images [paragraph 17], wherein the second interface is adapted to communicate the data to the display device for visually rendering the data [paragraph 22].

7. With regards to claim 9, Edwards teaches the connectivity device as specified in claim 9 wherein the processor is enabled to receive data indicative of visual images via the third interface [paragraph 22].

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8. With regards to claim 10, Edwards teaches the connectivity device as specified in claim 9 wherein the data is indicative of slides and forms a visual presentation [paragraphs 22 and 24].

9. With regards to claim 11, Edwards teaches the connectivity device as specified in claim 1 further comprising a third interface adapted to communicate with an external data network [fig 1 element 14(1) to 14(n) have an interface to communicate with network element 18 - paragraph 20].

10. With regards to claim 12, Edwards teaches the connectivity device as specified in claim 1 further comprising a third interface adapted to receive control data and responsively communicate the control data to the handheld communications device [fig 8 shows a GUI interface and buttons that control the handheld communications device].

11. With regards to claim 13, Edwards teaches the connectivity device as specified in claim 12 wherein the third interface is adapted to receive and communicate the control data from a keyboard [fig 8 shows a GUI interface and buttons (a keypad/keyboard) that control the handheld communications device].

12. With regards to claim 14, Edwards teaches the connectivity device as specified in claim 13 wherein the third interface is adapted to receive and communicate the control data from a mouse [paragraph 41].

13. With regards to claim 15, Edwards teaches the connectivity device as specified in claim 14 wherein the communication device is adapted to detect and forward the keyboard and mouse control data to the handheld communications device such that it is executable thereby [fig 8 element 14, paragraphs 40-41].

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14. With regards to claim 16, Edwards teaches the connectivity device as specified in claim 15 wherein the keyboard control data is translated into keystrokes such that it is executable by the handheld communications device [paragraphs 40-41].

15. With regards to claim 17, Edwards teaches the connectivity device as specified in claim 15 wherein the mouse control data is translated into stylus taps and cursor movements such that it is executable by the handheld communications device [fig 8 element 14 discloses buttons 34 being part of the GUI which is accessible by mouse or by the GUI interface (stylus taps) – paragraphs 40-41].

16. With regards to claim 22, Edwards teaches the connectivity device as specified in claim 8 wherein the first interface is adapted to communicate with the handheld communications device using a 802.11 protocol [paragraph 20].

17. With regards to claim 25, Edwards teaches the connectivity device as specified in claim 24 wherein the data module comprises a RAM memory operatively coupled to the processor [paragraphs 16, 17 and 18. the Server, the PDA and the projector all include RAM memory and a processor].

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 2 and 3 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent Application Publication No. US 20040024809 to Edwards et al. (hereinafter Edwards). In view of US Patent Application Publication No. US 20040088452 A1 to Scott.

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18. With regards to claim 2, Edwards is silent as to the connectivity device as specified in claim 1 wherein the operating system is configured as a USB host system providing a communication channel to the handheld portable communications device, however, Scott teaches an operating system [fig 2 element 232, figure 6 element 632 paragraphs 38, 59] configured as a USB host system [paragraph 35] providing a communication channel to a handheld portable communications device [figure 2 element 210, figure 6 element 610] for the benefit of using the USB protocol to provide user ease of setup of the communication channel between two elements.

It would have been obvious to one of ordinary skill in the art at the time of the invention to combine the teachings of both Edwards and Scott to have the operating system be configured as a USB host system providing a communication channel to the handheld portable communications device for the benefit of using the USB protocol to provide user ease of setup of the communication channel between the two elements.

19. With regards to claim 3, the combination of Edwards and Scott teaches the connectivity device as specified in claim 2 wherein the operating system is configured to connect to a highest numbered endpoint via the first interface [when a USB device connects to a host device, it always takes the highest numbered endpoint] for the same reasons as those above under claim 2.

Claims 18 and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent Application Publication No. US 20040024809 to Edwards et al. (hereinafter Edwards). In view of US Patent No. 6,493,745 to Cherian.

20. With regards to claims 18 and 19, Edwards is silent as to the connectivity device as specified in claim 16 and 17, wherein the keystrokes, the stylus taps and cursor movements are inserted into a data queue. However, Cherian teaches storing user inputs (keystrokes, stylus

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taps and cursor movements) into a data queue for the benefit of holding local items until processed in order to prevent a perception to a user of slow processing or system lockout due to extended delay in processing a local item while the processing of a server-based item takes place [column 1 lines 33-45, line 65 to column 2 line 2].

It would have been obvious to one of ordinary skill in the art at the time of the invention to combine the teachings of both Edwards and Cherian to have the keystrokes, the stylus taps and cursor movements are inserted into a data queue for the benefit of holding local items until processed in order to prevent a perception to a user of slow processing or system lockout due to extended delay in processing a local item while the processing of a server-based item takes place.

Claim 20 is rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent Application Publication No. US 20040024809 to Edwards et al. (hereinafter Edwards). In view of US Patent No. 5,736,968 to Tsakiris.

21. With regards to claim 20, Edwards is silent as to the connectivity device as specified in claim 14 wherein the connectivity device has a fourth interface adapted to receive wireless control data from a physically remote control device such that the connectivity device is controllable as a function of the wireless control data, however, Tsakiris teaches having an interface adapted to receive wireless control data from a physically remote control device such that a connectivity device is controllable as a function of the wireless control data for the benefit of adding flexibility and control to a presenter during a presentation by enabling a presenter to perform certain preselected function without standing at a presenting device [abstract, column 1 lines 36-51, column 3 lines 51-65].

It would have been obvious to one of ordinary skill in the art at the time of the invention to combine the teachings of both Edwards and Tsakiris to have a fourth interface adapted to

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receive wireless control data from a physically remote control device such that the connectivity device is controllable as a function of the wireless control data for the benefit of adding flexibility and control to a presenter during a presentation by enabling a presenter to perform certain preselected function without standing at a presenting device.

Claim 23 is rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent Application Publication No. US 20040024809 to Edwards et al. (hereinafter Edwards). In view of US Patent No. 6,671,737 to Snowdon et al. (hereinafter Snowdon).

22. With regards to claim 23, Edwards is silent as to the connectivity device as specified in claim 9 wherein the first interface comprises an infrared transceiver, however, Snowdon teaches a PDA using an infrared transceiver to communicate over a first interface for the benefit of being able to communicate without having to do a physical docking [column 9 lines 52-63].

It would have been obvious to one of ordinary skill in the art at the time of the invention to combine the teachings of both Edwards and Snowdon to have the first interface comprise an infrared transceiver to be able to communicate with a handheld portable communications device for the benefit of communicating with it without having to do a physical docking.

Response to Arguments

Applicant's arguments filed 6/8/07 have been fully considered but they are not persuasive.

In response to Applicant's arguments regarding claim 1 [remarks page 6], the Edwards reference teaches the newly recited limitation of "a data module adapted to store visual presentation data" as paragraphs 16, 17, 18 and 22 show by having the pda, server and projector elements include memory. Also, Applicant's own admission that Edwards teaches "displaying a visual representation when transferring data in real time" anticipated the limitation for "driving the visual presentation data". Furthermore, the use of memory by the PDA, server

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and projector elements to store data enabled them to use the data at a later time. Memory's functionality is for the store data for it's use at a later time.

Because claims 2-20, 22, 23 and 25 depend directly or indirectly from claim 1, they stand rejected for at least the same reasons as claim 1.

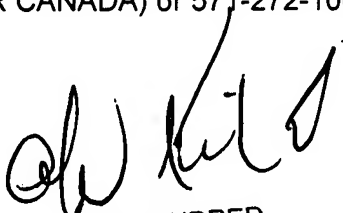
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David E. Martinez whose telephone number is (571) 272-4152. The examiner can normally be reached on 8:30-5:00 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Alford Kindred can be reached on 571-272-4037. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

DEM


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SUPERVISORY PATENT EXAMINER